

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
5 April 2001 (05.04.2001)

PCT

(10) International Publication Number
WO 01/22944 A1

- (51) International Patent Classification⁷: A61K 9/22, 9/28, 31/27, A61P 25/28
- (21) International Application Number: PCT/EP00/09455
- (22) International Filing Date:
27 September 2000 (27.09.2000)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
9923045.0 29 September 1999 (29.09.1999) GB
- (71) Applicant (*for all designated States except AT, US*): NOVARTIS AG [CH/CH]; Schwarzwaldallee 215, CH-4058 Basel (CH).
- (71) Applicant (*for AT only*): NOVARTIS-ERFINDUNGEN VERWALTUNGSGESELLSCHAFT M.B.H. [AT/AT]; Brunner Strasse 59, A-1230 Vienna (AT).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): SHAH, Rajen [US/IN]; 4/12 Kumar City, Vadgaon Heri, Off Nagar Road, Pune 411 014 (IN). KHANNA, Satish, Chandra [CH/CH]; Spitzackerstrasse 6, CH-4103 Bottmingen (CH). KALB, Oskar [DE/DE]; Belchenstrasse 19/3, 79539 Lörrach (DE). OGORKA, Jörg [DE/DE]; Im Steinbrunnen 19/3, 79585 Steinen (DE).
- (74) Agent: BECKER, Konrad; Novartis AG, Corporate Intellectual Property, Patent & Trademark Dept., CH-4002 Basel (CH).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

- With international search report.
- Before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ORAL CONTROLLED RELEASE FORMULATIONS

(57) Abstract: Pharmaceutical composition capable of releasing a therapeutically effective dose of active agent, e.g., rivastigmine, in a time-controlled manner.

202250-59268001

WO 01/22944 A1